

Work Order ID 131701

131701

Page 1

Tuesday, April 21, 2015 1:47:03 PM

Item ID: D2594-3 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: O-Ring

Start Date: 4/20/15 Start Qty: 250.00 *250* Cust Item ID:

Required Date: 4/20/15 Req'd Qty: 250.00 *250* Customer:

Reference:

Approvals: Process Plan: CL Date: APR 23 2015 Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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D2594	Rev C
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100

0.00

APR 24 2015

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 28252 Purchase as per Dwg D2594 Possible P/N: Parker
2-011 Material release note is required

CL

250

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

250x SP15-04-28

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

(250)

DAS

38

9-89

APR 28 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																							
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								

Tuesday, April 21, 2015 1:47:03 PM

Item ID: D2594-3

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: O-Ring

Start Date: 4/20/15 **Start Qty:** 250.00

250

Cust Item ID:

Required Date: 4/20/15 **Req'd Qty:** 250.00

250

Customer:

Reference:

Run Start *NR1*

Approvals: _____ **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop ***NR2***

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

Identify as per dwg & Stock Location: FPOB 0.00

0.00

DAS
6
9-89

130

Memo

0.00

Packaging

LOCATION : FP001

Packaging

140

QC21- Final Inspection - Work Order Release	0.00
---	------

0.00

140

QC

Memo

0.00

Quality Control

APR 28 2015

APR 29 2015

MLJ APR 29 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Tuesday, April 21, 2015 1:47:02 PM

Page 1

131701

D2594-3

Required Date: 4/20/15

Required Qty: 250.00

Comments: IPP B04.06.08Reformat; Added Powder CoatKJ/JLM
IPP C 06.12.11 ecn 836 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS28775-011		Purchased	No			100	Each	0.0000	1	250			
MS28775-011									**	2508	SP15-01-28		
O-Ring													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

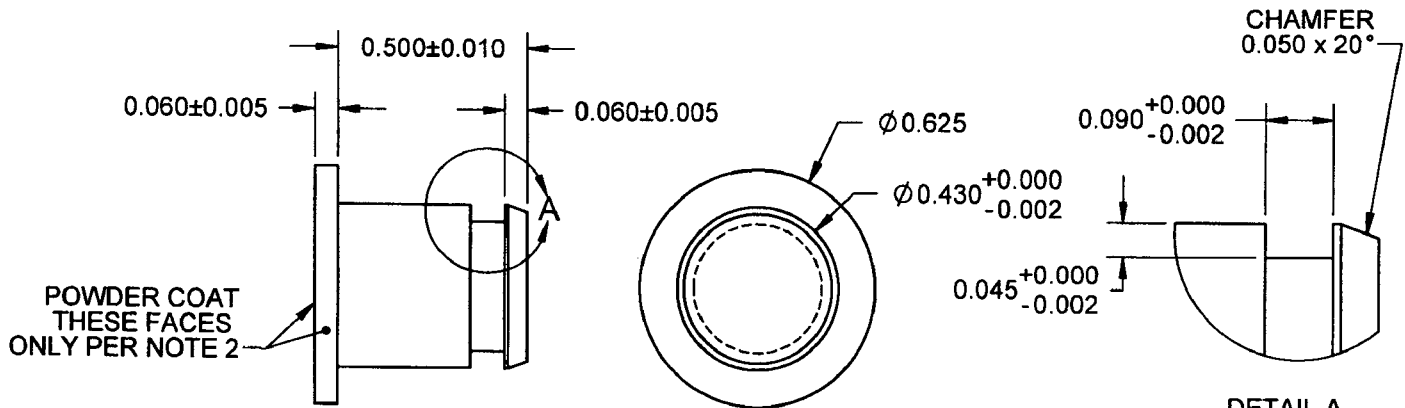
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DART

DESIGN #	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED #	DRAWING NO. D2594	REV. C SHEET 1 OF 1
DATE 06.11.20		TITLE PLUG	SCALE 2:1
REV	DATE	DESCRIPTION	
A	96.09.16	NEW ISSUE	
B	97.03.15	ADD GROOVE AND O-RING	
C	06.11.20	ADD PWDR COAT; ADD MS P/N TO D2594-3; ADD AMS SPECS; ADD TOLERANCE NOTE	

RELEASED

06.11.28

**D2594-1 PLUG****D2594-1 PLUG NOTES:**

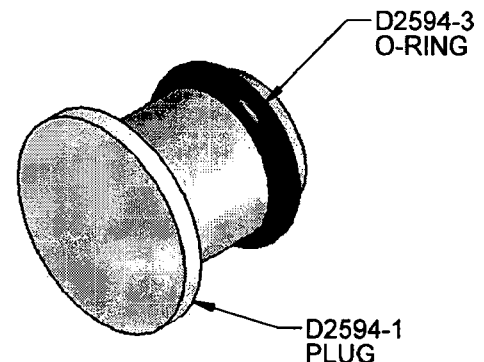
- 1) MATERIAL: ALUMINUM 5052-H32 ROUND BAR PER QQ-A-225/7 (REF DART SPEC M5052H32R) OR ALUMINUM 6061-T6/T651/T6510/T6511/T62 ROUND BAR PER QQ-A-225/8 OR QQ-A-200/8 OR AMS 4117/4128/4115/4116/4160 (REF DART SPEC M6061T6R)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT SPECIFIED FACES WHITE GLOSS (4.3.5.1) PER DART QSI 005 4.3 $\triangle$
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP EDGES TO 0.010 MAX

D2594-3 O-RING NOTES:

- 1) 5/16 ID, 7/16 OD, 1/16 WIDTH
- 2) POSSIBLE SUPPLIER P/N: PARKER 2-011 OR MS28775-011 $\triangle$

C215104123
W/O: 13/201**PARTS LIST:**

QTY	P/N	DESCRIPTION
X	D2594	PLUG ASSEMBLY
1	D2594-1	PLUG
1	D2594-3	O-RING

**D2594 PLUG ASSEMBLY**

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO28252**

Purchase Order Date 4/24/2015

PO Print Date 4/24/2015

Page Number 1 of 2

Order From : VU-EC001

EAST COAST AVIATION SUPPLIES, INC.
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 1-321-727-0047

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS21043-6	NUT	4/27/2015 Yes 4/27/2015		50.00 ✓ Each	\$1.48	\$74.00
Line Total:							\$74.00
2	MS21209-F615	Heli-Coil	4/27/2015 Yes 4/27/2015		100.00 ✓ Each	\$0.27	\$27.00
Line Total:							\$27.00
3	MS28775-011 AS PER DWG D2594 REV. C B131701	O-Ring	4/27/2015 Yes 4/27/2015		250.00 ✓ Each	\$0.14	\$35.00

Note:

4/24/2015

SP15-01-28



ECAS, INC.

Your World-Class Aerospace & Defense Supplier

Packing Slip

Original

Invoice #: 522339

Date Printed: 4/24/2015

Time: 1:06:03 PM

of Items: 2

Page: 1

To:

DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

Ship To:

DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A1K7
CANADA

TRR# 6282 2821 1066

Invoice Date: 4/24/2015

Terms: NET 30

Weight: 2

Ship Via: FED.EX.P1

Order Date: 4/24/2015

Cust. PO#: PO28252

of Boxes: 1

Ship Date: 4/24/2015

FOB: MELBOURNE, FL

Shipment #: 1

Sales Order: 468656

Customer #: 16754

AWB: 6282 2821 1066

ECAS Contact: LUIS SEPULVEDA

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	UoM	Total Amt
1	MS21043-6 SELF LOCKING NUT MFR: HI-SHEAR LOT: 8015308 QTY: 50	50.00	0.00	NE			
3	MS28775-011 O'RING MFR: PRECIX LOT: 14274001 QTY: 250	250.00	0.00	NE			

2/15/du-28

Special Instructions:

Authorized Signature:

East Coast Aviation Supplies, Inc.
CERTIFICATE OF CONFORMITY

Original

No: 522339

Bill To:

Ship To:

ORIGINAL

DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A1K7

DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A1K7

Customer PO	Ship Date	Airway Bill Number
PO28252	4/24/2015	6282 2821 1066

Part No.	Description	Cond	Qty	S/L	
MS21043-6 MFR: HI-SHEAR LOT: 8015308	SELF LOCKING NUT ECCN#: 9A991 SCHB#: 7318.16.0060	NE	50	25	
MS28775-011 MFR: PRECIX LOT: 14274001	O'RING ECCN#: EAR99 SCHB#: 4016.93.1010	NE	250	38	

89501-28

CONDITIONS: NE - New NS - New Surplus OH-Overhauled RP-Repaired SV-Serviceable

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

Signed:

For and on behalf of EAST COAST AVIATION SUPPLIES, INC.

Insp.
#2

Inspectors Stamp

PRECITX

744 Belleville Ave. :: New Bedford, MA 02745
Tel. (508) 998-4000 :: Fax. (508) 998-4101

CERTIFICATION OF ANALYSIS

Packing Slip No.: 656561

Purchase Order No.: 153187-00

Qty.: 5000

Cure Date: 4Q/14

Ship Date: 13-Jan-15

Issue Date: 13-Jan-15

APCO: 011M31A

Lot Number: 14274001

Customer: SEAL DYNAMICS, INC.

Certification No.: 100120

Part #: MS28775-011

Part #: AS568-011

Part #:

Compound: H-14494 (M31)

Rev.: A

Rev.: C

Rev.:

Drawings / Specifications

MIL-P-25732

N/A

N/A

Rev.: C

Rev.: N/A

Rev.: N/A

Test Description	Requirement	Results	Pass (Yes/No)
Durometer, Shore A	75 ± 5	75	Yes
Tensile, psi, min.	1350	1690	Yes
Elongation, %, min.	160	204	Yes
Modulus @ 100, psi, min.	500	748	Yes
Specific Gravity	1.28 ± .02	1.28	Yes
TR10, F, max.	-49	-62	Yes
Comp/Set in MIL-H-5606			
70 hrs. @ 275° F			
% Of Original Deflection, max.	55	29.8	Yes
Fluid Aged in MIL-H-5606			
70 hrs. @ 275° F			
Durometer Change, Shore A, pts.	-15 / 5	-3.8	Yes
Volume Change, %	1 / 20	10.8	Yes
TR10, F, max.	-49	-58	Yes

This is to certify that the above parts were made in conformity with the specification listed, and that the above test results were obtained.

Authorized by:

Notes / Comments

MS28775 REV E superseded by AS28775 REV A

David E. Muse

David E. Muse
Quality Control Manager

(PRODUCT IS MERCURY FREE)
MADE IN USA

Tested by: 1266

Date Tested: 27-Oct-14

Printed by: 3281



REPUBLIC FASTENER MANUFACTURING CORPORATION
1300 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CA 91320 (805) 498-6621

CERTIFICATE OF TEST

WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THE REPORT CONFORM TO THE MATERIAL SPECIFICATIONS CALLED FOR BY THE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS ARE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS CURRENT ON THE DATE OF MANUFACTURE. TEST REPORTS COVERING MATERIALS IN THESE PARTS AND INDICATING CONFORMANCE WITH APPLICABLE SPECIFICATIONS ARE ON FILE AND SUBJECT TO EXAMINATION. PARTS AS SHIPPED HAVE NEVER BEEN IN CONTACT WITH MERCURY. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.

PARTS MANUFACTURED IN: ☒ U.S.A ☐ MEXICO

☐ IN ACCORDANCE WITH: DFAR 252.225.7014 ALT. I

Maria Herrera
Signature of Quality Assurance Representative

12-22-08
Date

P.O.:	69962	Part No.	MS21043-06 REV. 2
Quantity Ordered:	125,000	Date Cert Ordered:	12-22-08
Customer:	BILD INDUSTRIES	Lot No.:	UD135
Description:	ASSEMBLY	Procurement Spec:	NASM25027
Also Certified To:	NAS1291C06 REV. 12	Additional Info:	N/A

IF APPLICABLE, CHECK ONE BELOW:

☐ **FAA CERTIFICATION (PMA):** IT IS HEREBY CERTIFIED THAT (A) THE PARTS AND/OR MATERIALS REFLECTED HERE-IN WERE PRODUCED UNDER FEDERAL AVIATION ADMINISTRATION APPROVED MANUFACTURING AND QUALITY CONTROL SYSTEMS/METHODS AS SET FORTH IN FEDERAL AVIATION REGULATION, PART 21, SUB-PART K, PARAGRAPH 21.303 AND (B) ALL PARTS AND/OR MATERIALS ARE CERTIFIED NEW, CONFORMS TO THE DESIGN DATA AND ARE IN AIR WORTHY CONDITION.

Signature of Quality Assurance Representative

Date

☐ **TSO-C148 STATEMENT:** THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IF ACCEPTABLE TO OR APPROVED BY THE ADMINISTRATOR.

Signature of Quality Assurance Representative

Date



REPUBLIC FASTENER MANUFACTURING CORPORATION
1300 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CA 91320 (805) 498-6821

QUALITY CONTROL INSPECTION REPORT

PART NAME HEX NUT		PART NUMBER MS81043-06		REV 2	NOTES Also Conforms to NAS1291C06 Rev. 12
TOTAL LOT QTY 174,977	LOT NUMBER UD135	SAMPLE SIZE 800	LEVEL 65	YO 40	
INSPECTION LEVELS ACCEPT / REJECT QUANTITIES		MAJOR A - II ACCEPT 0 A REJECT 1	MAJOR B - ACCEPT 0 B REJECT 1	MINOR - ACCEPT 0 REJECT 1	C=0
A.Q.L.	CHARACTERISTIC DESCRIPTION	DEFECT	INSPECTION MEDIA		
MAJOR A	SELF-LOCKING FEATURE MISSING	0	VISUAL		
MAJOR B	THREAD FIT	0	THREAD GAGE		
	BEARING SURFACE SQUARENESS	0	TABLE SQUARENESS GAGE		
	SURFACE FINISH, PLATING, OR SURFACE TREATMENT	0	VISUAL		
	RIVET HOLE LOCATION AND ALIGNMENT (PLATE NUTS ONLY)	N/A	FUNCTIONAL ALIGNMENT OR VARIABLE GAGE		
	OVERALL HEIGHT OF NUT	0	0-6" CALIPER		
	LENGTH AND WIDTH	0	0-8" CALIPER		
MINOR	DIMENSIONS OF WRENCHING ELEMENT (WRENCHABLE NUTS ONLY)	0	0-8" CALIPER		
	LOOSE OR HANGING BURRS	0	VISUAL		
	ALL OTHER DIMENSIONAL CHARACTERISTICS NOT COVERED ABOVE	0	SMI		
QUANTITY ACCEPTED 174,977 DATE 7-14-08 ACCEPTANCE					

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REPUBLIC FASTENER MANUFACTURING CORPORATION
1300 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CA 91320 (805) 498-6821

QUALITY CONTROL INSPECTION REPORT

Lot Number UD135						
SAMPLE SIZE	CHARACTERISTIC DESCRIPTION	INSPECTION MEDIA	LOT ARTICLE	DEFECT	ACCEPT / REJECT	PRODUCTION RELEASE DATE
NUT	MATERIAL: CARPENTER HEAT: 553021 SIZE: .175 @ WIRE	VENDOR CERTIFICATIONS ALLOY VERIFICATION	12	0	ACC.	6/10/08
CAP	MATERIAL: HEAT: SIZE:	VENDOR CERTIFICATIONS ALLOY VERIFICATION		%		
BASKET	MATERIAL: HEAT: SIZE:	VENDOR CERTIFICATIONS ALLOY VERIFICATION		%		
CLIP	MATERIAL: HEAT: SIZE:	VENDOR CERTIFICATIONS ALLOY VERIFICATION		%		
15 PCS	AMS5732, AMS5525 STAINLESS ONLY AGED LOAD 28307	TENSILE R/C HARDNESS TESTER		0	REF 103	6/10/08
15 PCS	AMS-M-6875A, MIL-H-6875 STEEL ONLY AUSTEMPERING LOAD	TENSILE R/C HARDNESS TESTER		%		
SEE LOG	AMS2410J (1" AMS2411D) SILVER PLATING LOAD 15638	VISUAL ADHESION & THICKNESS ASTM B567		0	REF 103	7/10/08
SEE LOG	AMS-QQ-P-418B Class I [1][2][3] CAD PLATING LOAD	VISUAL ADHESION & THICKNESS ASTM B567		%		
10 PCS	EMBRITTLMENT RELIEF BAKE 375°F ±25° FOR 23 HOURS MIN. CAD PLATING LOAD	23 [] NUT 48-50 [] CLIP HOUR STRESS AT ROOM TEMP. PER NASM1312, TEST 14		%		
5 PCS	EMBRITTLMENT RELIEF BAKE 375°F ±25° FOR 23 HOURS MIN. CAD PLATING LOAD	96 [] HOUR STRESS AT SERVICE TEMP. PER NASM1312, TEST 14		%		
ASQC 21.4	GOLD CHROMATE TREATMENT TYPE II	VISUAL - WORKMANSHIP SALT SPRAY TEST OF AMS-QQ-P-418 PER ASTM B117		%		
SEE LOG	PASSIVATED PER AMS-QQ-P-35, AMS2700 STAINLESS STEEL ONLY	VISUAL SALT SPRAY TEST PER ASTM B117		%		
ASQC 21.4	MAGNETIC PERMEABILITY <2.0 (AIR 1.0) FOR A FIELD STRENGTH = 200 OERSTEDS	INDICATOR PER ASTM A342-04 METHOD A, CORROSION RESISTANT STEEL ONLY		0	REF 103	7/10/08
SEE LOG	NON-DESTRUCTIVE TESTING DISCONTINUITIES SAMPLE [] 100% []	MAGNETIC PARTICLE PER ASTM E1444 OR FLOURESCENT PENET. PER ASTM E1417		%		
15 PCS	DRY FILM LUBRICANT PER AS8272 TYPE I BATCH NO:	VISUAL - WORKMANSHIP ADHESION, THICKNESS SALT SPRAY TEST OF NASM1312, TEST 1		%		
8 PCS 15 PCS	MICROSTRUCTURE	BPS-A-70 [] NAS3350 []		0	REF 103	6/10/08
ASQC 21.4	THREADS PER MIL-S-8879C, AS8879	METHOD B, SYSTEM 22		0	REF 103	5/09/08

QCIR-006.PUB REV.J 01/13/08



REPUBLIC FASTENER MANUFACTURING CORPORATION
1300 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CA 91320 (805) 498-0521

QUALITY CONTROL INSPECTION REPORT

LOT NUMBER	BPS-N-70 ATTRIBUTE PLAN	NOTE	25037 ATTRIBUTE PLAN
UD135	LOT SIZE 50 UNDER 9 _____ 9 THRU 15 _____ 16 THRU 25 _____ 26 THRU 50 _____ 51 THRU 100 _____ 101 THRU 250 _____ 251 THRU 500 _____ OVER 500 _____	ALL SAMPLES TESTED MUST MEET OR EXCEED THE MINIMUM REQUIREMENTS	LOT SIZE 50 UNDER 100 _____ 101 THRU 500 _____ 501 THRU 1000 _____ OVER 1000 _____

PUSH-OUT TEST		DATE	MIN.	POUNDS	PUSH-OUT REQUIREMENTS
					PASS / FAIL
					STAMP

TORQUE-OUT TEST		DATE	MIN.	INCH POUNDS	TORQUE OUT REQUIREMENTS
					PASS / FAIL
					STAMP

WRENCHING TORQUE TEST		DATE	MIN.	INCH POUNDS	WRENCHING TORQUE REQUIREMENTS
27	27	27	27	27	PASS / FAIL
27	27	27	27	27	STAMP
27	27	27	27	27	27

TENSILE TEST		DATE	STAMP
TEST BOLT	MS16997-4	7-12-08	
25027 REQ.	1150 LBS.	BPS-N-70 REQ.	LBS.
1150	1150	1150	1150
1150	1150	1150	1150
1150	1150	1150	1150
1150	1150	1150	1150
1150	1150	1150	1150
1150	1150	1150	1150

HIGH = 1150 L1 PROOF LOAD TEST
 LOW = 1150 [] TESTED TO FAILURE
 R = 0 (RANGE = HIGH MINUS LOW)
 X = 1150 (AVERAGE TENSILE STRENGTH)
 R x 4 = 0
 X - 4R = 1150

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REPUBLIC FASTENER MANUFACTURING CORPORATION
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QUALITY CONTROL INSPECTION REPORT

LOT NUMBER	BPS-N-70 ATTRIBUTE PLAN	NOTE	25037 ATTRIBUTE PLAN
UD135	LOT SIZE 50 UNDER 9 _____ 9 THRU 15 _____ 16 THRU 25 _____ 26 THRU 50 _____ 51 THRU 100 _____ 101 THRU 250 _____ 251 THRU 500 _____ OVER 500 _____		LOT SIZE 50 UNDER 100 _____ 101 THRU 500 _____ 501 THRU 1000 _____ OVER 1000 _____

TORQUE TEST		DATE	STAMP
TEST BOLT	MS16995-06	7-14-08	
MAX	10.0 IN. LBS. (1st ON)	MIN	1.0 IN. LBS. (1st BRK)
CY	ON	BRK	ON
1	75	6.0	4.0
7	65	5.5	5.0
15	60	5.5	5.0
1	50	4.5	9.5
7	60	6.0	8.5
15	60	4.5	9.0
1	55	4.0	4.0
7	45	3.0	2.5
15	45	3.0	3.5
1	55	5.5	3.5
7	60	5.5	3.5
15	70	6.5	4.5

HARDNESS TEST		DATE	STAMP
CONVERTED FROM 30N SCALE TO HRC	6-09-08	REQUIREMENT: HRC	TO 49 MAX
HRC	39	34	37
30N	58.5	54	56.5
15N			

★ CLIPS AND CLIP NUTS ONLY

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